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081445-0180

SERIAL NO.

10/815,100

APPLICANT

Timothy I. Salsbury et al.

FILING DATE

03/31/2004

GROUP ART UNIT

2121

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
CSB	A1	6,554,198	04/29/2003	Hull et al.	236	49.3	
CSB	A2	6,522,954	02/18/2003	Kummerer et al.	700	278	
CSB	A3	6,424,873	07/23/2002	Przybylski	700	42	
CSB	A4	6,408,228	06/18/2002	Seem et al.	700	276	
CSB	A5	6,122,605	09/19/2000	Drees et al.	702	194	
CSB	A6	6,006,142	12/21/1999	Seem et al.	700	276	
CSB	A7	5,607,190	03/04/1997	Exandier et al.	285	93	
CSB	A8	5,558,274	09/24/1996	Ben-Aissa et al.	236	13	
CSB	A9	5,276,630	01/04/1994	Baldwin et al.	364	505	
CSB	A10	4,901,918	02/20/1990	Grald et al.	236	178	
CSB	A11	2003/0153986	08/14/2003	Salsbury et al.	700	11	
CSB	A12	2002/0116075	08/22/2002	Salsbury	700	1	

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

CSB	A13	Al-Numay, S., D. G. Taylor, "One Cycle Averaging for Digital PWM Control System Design", Proceedings of the American Control Conference June 2000, Page 1057.
CSB	A14	Bernelli-Zazzera, F., P. Mantegazza, "Linearization Techniques for Pulse Width Control of Linear Systems", Control and Dynamic Systems: Advances in Theory and Applications, Volume 70, 1995; Page 67.
CSB	A15	Clark, R. C., "HVACSIM+ Building Systems and Equipment Simulation Program Reference Manual", Published by the U.S. Department of Commerce, National Bureau of Standards, National Engineering Laboratory, Center for Building Technology, Building Equipment Division, Gaithersburg, MD 20899, 1985.
CSB	A16	Energy Information Administration (EJA), "Commercial Building Energy Consumption and Expenditures 1995". DOE/EIA-0625(95), Washington, D.C., 1998.

EXAMINER

Crystal J Barnes

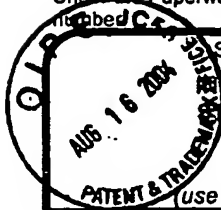
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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 081445-0180	SERIAL NO. 10/075,177
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)				APPLICANT Timothy I. Salsbury et al.	
				FILING DATE 02/14/2002	GROUP ART UNIT 2858
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
CJB	A17	Guo, B., D. C. Lin, Y. L. Feng, K. G. D. Laknath, M. Syedulaq, M. Nakaoka, "New Conceptual Electromagnetic Induction Fluid Heating System Using Resonant PWM Inverter with Auto-Tuning PID Controller". Proceedings of the IEEE International Conference on Industrial Technology, 1996, Page 390.			
CJB	A18	Mallinson, N., "Plug & Play Single Chip Controllers for Variable Speed Induction Motor Drives in White Goods and HVAC Systems", Proceedings of the 13th Annual Applied Power Electronics Conference, 1998 Page 756.			
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CJB	A20	Seem, J. E., "A New Pattern Recognition Adaptive Controller with Application to HVAC Systems", Automatica, Volume 34, Number 8, 1998, Page 969.			
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CJB	A23	Sira-Ramirez, H. 1989, "Sliding Regimes in Pulse-Width-Modulation Systems Design", Proceedings of the 28 <sup>th</sup> IEEE Conference on Decision and Control-Tampa, Florida, 1989, Page 2199-2204.			
CJB	A25	Van Varseveld, R., G. Bone, "Accurate Position Control of a Pneumatic Actuator Using On/Off Solenoid Valves", IEEE/ASME Transactions on Mechatronics, Volume 2, 1997, Page 195.			
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted:

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## Complete if Known

Application Number	10/815,100
Filing Date	03/31/2004
First Named Inventor	Timothy I. Salisbury
Group Art Unit	2121
Examiner Name	To be determined
Attorney Docket Number	081445-0380

Sheet 1 of 1

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
QJB	B1	SALSBURY, TIMOTHY I., "A New Pulse Modulation Adaptive Controller (PMAC) Applied to HVAC Systems", 43 pgs.	
QJB	B2	SALSBURY, TIMOTHY I. "A New Sequencer Controller for Multistage Systems of Known Relative Capacities", 45 pgs.	
QJB	B3	AstrOm, K., T. Hagglund, "PID Controllers: Theory, Design, and Tuning", Published by the Instrument Society of America, Pages 78-79, bearing a designation "Copyright © 1995."	
QJB	B4	Itkis, U., "Control Systems of Variable Structure", Published by John Wiley & Sons, Pages 21-50 and 74-93, bearing a designation "Copyright © 1976."	
QJB	B5	Nash, J. C., "Compact Numerical Methods for Computers: Linear Algebra and Function Minimization", Published by Adam Hilger, Ltd, Bristol, Pages 161-164, bearing a designation "Copyright © 1979, 1980."	

001.1677102.1

Examiner  
Signature

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